

PROCEEDINGS
OF THE
BIOLOGICAL SOCIETY OF WASHINGTON

FIFTH LIST OF ADDITIONS TO THE FLORA OF
WASHINGTON, D. C.

BY THEO. HOLM.

Five years have elapsed since the publication of my fourth list of additions to the local flora,* and it will be seen from the present paper that these five years of research have materially added to the number of species hitherto known to occur in the vicinity of Washington, in addition to which I have been able to record an extended range of many of the rarer species, formerly known from only a very few localities.

Through Dr. E. L. Greene's painstaking studies of various genera, more particularly of *Antennaria*, *Viola*, *Gerardia*, etc., these genera now appear to contain a number of excellent species, which formerly had been entirely overlooked or more or less confused; some of these species have even proved to be very common within the District of Columbia. In order to facilitate the use of this additional list, I have, with only a very few exceptions, followed the nomenclature and arrangement of the orders as in the previously published additions, these having been arranged in conformity with the fundamental work on the Flora, Lester F. Ward's "Guide to the Flora of Washington and Vicinity."†

*Proc. Biol. Soc. Wash. X, pp. 29-43, 1896.

†Bull. 22, U. S. Nat. Mus. 1881.

The discovery of species new to a local flora is always a great encouragement to the explorer, but it is nevertheless just as important to discover a well known but rare species in new localities; the rediscovery of an apparently lost or extinct species seems to us to be still more interesting and important, and we may cite among such instances the finding of *Aralia quinquefolia*, *Cicuta bulbifera*, *Phyllanthus* and *Cystopteris bulbifera*.

It is surprising to see how many rare species may be found in old, well known localities, when these are visited regularly every month. Frequent excursions to Great Falls, Marshall Hall, Surattsville, etc., have brought forth a number of rare plants, hitherto overlooked, and even the old and well explored region around the Reform School seems to furnish an almost incessant increase of new or rare plants. On the other hand some of the older and most interesting localities are rapidly undergoing destruction, as for instance the famous Terra Cotta swamp, which at present is almost entirely changed to a miserable "corn field," and many of the species which were reported from that region are no longer to be found there. So much the more does it seem necessary to keep permanent track of the representatives of our local flora before the immediate vicinity becomes altogether transformed to building-lots and gardens.

In the present list some very interesting contributions have been kindly furnished by Dr. E. L. Greene, Messrs. Thos. H. Kearney, Jr., Wm. R. Maxon, G. W. Oliver, and Wm. Palmer, whose names appear in connection with their respective discoveries; where no collector is named, the species has been found by the writer himself, and the plants are all deposited in his private herbarium. The species marked with an asterisk are new to the local flora.

1. Clematis Virginiana L.

Four Mile Run; marshes near Kenilworth.

12. Ranunculus ambigens Wats.

Muddy creek-bottom near Marshall Hall. E. L. Greene.

13. Ranunculus pusillus Poir.

In a pool among the rocks near Sandy Landing.

15. Ranunculus abortivus L., var. micranthus Nutt.

Not uncommon in the woods between Sandy Landing and Great Falls.

20b. Ranunculus septentrionalis Poir.

High Island. E. L. Greene; swamps near Marshall Hall.

33. Caulophyllum thalictroides Michx.

Ravine near mouth of Scott's Run, Va.

34. Jeffersonia diphylla Pers.

Ravine near mouth of Scott's Run, Va.

40. Papaver dubium L.

Meadow near mouth of Scott's Run, Va.

47. Nasturtium sylvestre R. Br.

Wet places among rocks at Great Falls; on the river-shore at the mouth of Scott's Run, Va.; High Island; ditches near Alexandria.

49a. Nasturtium palustre D. C. var **hispidum** Fisch. & Mey.

Ditch near Marshall Hall.

61. Cardamine hirsuta L. (*C. intermedia* Horn.)

Swamps near Terra Cotta.

62a. Cardamine parviflora L.

Abundant in the woods near Soldiers' Home; Sandy Landing; Great Falls and several other places; evidently not uncommon in the District.

62b. Cardamine silvatica Link.

Ditch near Soldiers' Home.

62c. Cardamine Pennsylvanica Muhl.

Common in swamps at Great Falls; in a creek at Forest Glen.

63. Dentaria heterophylla Nutt.

Common in the woods from Sandy Landing to Great Falls.

***64a. Dentaria diphylla** L.

Rocks at Glen Echo Junction. In flower first week of April.

***68a. Sisymbrium altissimum** L.

Near Eckington, along Florida Avenue. E. L. Greene.

71. Erysimum cheiranthoides L.

River-shore near mouth of Scott's Run.

72. Camelina sativa Crantz.

Not uncommon in Brookland, along the railroad track and in vacant lots.

78. Thlaspi arvense L.

Along the road near Great Falls' Hotel; a few specimens on a lawn in Brookland.

86. Viola villosa Walt.

Very abundant in the woods at Forest Glen; not uncommon in sandy or gravelly soil near Terra Cotta, Soldiers' Home and Brookland.

86a. Viola affinis Le Conte.

Very common in shaded woods and swamps, for instance near Eckington, the Reform School, Riggs' Mill, Marshall Hall, etc.

86b. Viola papilionacea Pursh.

Common in deciduous forests.

***87a. *Viola emarginata* Le Conte.**

Not rare in sandy soil, open woods or hill-sides, for instance near Eckington, Terra Cotta, Riggs' Mill, Sligo, etc.

***87b. *Viola ovata* Nutt.**

Very common in sandy soil, for instance near Soldiers' Home, Hyattsville, Sandy Landing, etc.

90. *Viola striata* Ait.

Sandy Landing.

100. *Polygala ambigua* Nutt.

In sandy soil near Riggs' Mill; dry fields near Marshall Hall.

100a. *Polygala verticillata* L.

Abundant near the Reform School; dry fields near Marshall Hall.

***100b. *Polygala Nuttallii* T. & G.**

In thickets of *Azalea* and *Andromeda* near Terra Cotta; in flower second week of June.

106. *Silene nivea* D. C.

Along West Branch near Hyattsville; woods near Surattsville.

***115a. *Stellaria neglecta* Whe.**

In the woods near Chain Bridge, Va.

***118a. *Arenaria Michauxii* Hook.**

Rocks at Great Falls. G. H. Hicks.

124. *Paronychia dichotoma* Nutt.

On rocks at Great Falls, Md.

***129a. *Hypericum densiflorum* Pursh.**

Swamps in woods near Surattsville.

138a. *Sida Napæa* Cavan.

At the south end of Long Bridge, quite common.

145. *Linum striatum* Walt.

Meadow near Sligo.

192. *Melilotus officinalis* Willd.

New York avenue near the railroad station; Navy Yard.

195a. *Trifolium hybridum* Savi.

Found in many places, especially in the northeastern section.

***199a. *Trifolium minus* Sm. (*T. filiforme* D. C. non L.)**

On grassy slopes at Marshall Hall.

216. *Desmodium ciliare* D. C.

Common near Hyattsville; Sligo.

217. *Desmodium Marylandicum* Boott.

Near Highland; along the roads near Great Falls, on the Maryland side.

220a. *Lespedeza striata* L.

Common near Great Falls, Md.; near Cabin John Bridge; along Bunker Hill road near Catholic University.

221. *Lespedeza Stuvei* Nutt.

Low meadow-land near Hyattsville; near Soldiers' Home.

- 225. *Vicia tetrasperma* Loisel.**
Meadow near Terra Cotta.
- 230. *Clitoria Mariana* L.**
Sligo avenue and Rappley road near Takoma.
- 234a. *Phaseolus diversifolius* Pers.**
Along Sargent road near Terra Cotta.
- 234. *Phaseolus perennis* Walt.**
River-shore at Marshall Hall.
- 257. *Rubus cuneifolius* Pursh.**
Fort Totten. E. L. Greene.
- *264a. *Potentilla reptans* L.**
Near Brightwood. E. L. Greene.
- 267. *Alchemilla arvensis* Scop.**
Along the road between Chain bridge and High Island.
- 270. *Poterium Canadense* B. & H.**
Swamp near Hyattsville.
- 285. *Cratægus parvifolia* Ait.**
Sandy Landing.
- 291. *Chrysosplenium Americanum* Schwein.**
Forest Glen; at a spring in the woods near Great Falls, Md.
- 304a. *Callitriche Austini* Engelm.**
Woods near Soldiers' Home.
- 306a. *Rhexia Mariana* L.**
Not uncommon in swamps between Hyattsville and Highland, near the Reform School; woods at Marshall Hall.
- 307a. *Ammannia humilis* Michx.**
Old river bottom near Hyattsville; swamps near the tow-path at Great Falls; common in wet places in the woods at Marshall Hall.
- 316a. *Oenothera pumila* L.**
Dry fields near Highland.
- 317. *Oenothera sinuata* L.**
Abundant in a low meadow near the Reform School.
- 327. *Hydrocotyle ranunculoides* L.**
Swamp near Marshall Hall.
- 332. *Erigenia bulbosa* Nutt.**
River shore at Great Falls, Md.
- 333a. *Cicuta bulbifera* L.**
In the canal at Great Falls.
- 338a. *Scandix pecten-veneris* L.**
Seabrook, Md. Walter H. Evans.
- 349. *Aralia spinosa* L.**
Along the Walker road between Camp Spring P. O. and Surattsville.
- 351. *Aralia nudicaulis* L.**
Woods near Surattsville.

351a. *Aralia quinquefolia* Decne. & Planch.

Several fruiting specimens were found in a ravine near the mouth of Scott's Run, Va., first week of July, 1898.

***356a. *Cornus circinata* l'Her.**

Dodge's Mill. Conant, 1883. Reported by Dr. Walter H. Evans.

385. *Fedia Fagopyrum* Torr. & Gr.

Low thickets at Sandy Landing.

386. *Fedia radiata* Michx.

Low thickets at Marshall Hall.

387. *Dipsacus sylvestris* Mill.

Great Falls, Md.

391a. *Eupatorium altissimum* L.

Terra Cotta swamp.

***391b. *Eupatorium linearifolium* Michx.**

Woods near Marshall Hall. E. L. Greene.

399. *Eupatorium ageratoides* L.

A form with cordate leaves and very large, open inflorescence occurs in the woods near Seven Locks and High Island.

402. *Mikania scandens* L.

Along a creek near Highland; near Arlington; near Seven Locks.

414a. *Solidago racemosa* Greene.

On the rocks at Great Falls, Md.

426. *Sericocarpus solidagineus* Nees.

Fort Totten; along Bates' road.

450. *Diplopappus umbellatus* Torr. & Gr.

Terra Cotta swamp; near Riggs' Mill.

457a. *Pluchea camphorata* D. C.

Still to be found at Marshall Hall, in open places in the woods.

458. *Filago Germanica* L.

Pastures near Marshall Hall.

459b. *Antennaria neglecta* Greene.

Very common in moist meadow lands, and has been collected in numerous places between Marshall Hall and Great Falls.

***459c. *Antennaria alsinoides* Greene.**

Rather rare. Sand hills near Terra Cotta. E. L. Greene. Bunker Hill; Forest Glen; Great Falls, Md.; Marshall Hall. Only the pistillate plant is known of this species.

459d. *Antennaria decipiens* Greene.

Common in pine woods and *Andropogon* fields. Collected in many places between Washington and Great Falls.

459e. *Antennaria fallax* Greene.**459f. *Antennaria arnoglossa* Greene.**

These two species grow mostly together in dry woodlands, and pistillate plants have been found in many places between Washington and

Great Falls. The staminate plants appear to be rare, those of *A. fallax* being recorded only from Brookland, Terra Cotta and Forest Glen, while the male plant of *A. arnoglossa* has been found on Bunker Hill and at Sandy Landing.

461. *Gnaphalium uliginosum* L.

Old river bottom near Hyattsville; wet places in the woods at Marshall Hall.

473. *Eclipta procumbens* Michx.

Common along the canal at Great Falls; swamp near Marshall Hall; on the Potomac shore near Aqueduct bridge, Virginia side; Brookland.

475. *Rudbeckia triloba* L.

On the river shore at Seven locks; woods near Great Falls, Md.; Chevy Chase.

479. *Helianthus angustifolius* L.

Swamp between Nork and Fort Myer.

492. *Coreopsis tripteris* L.

Rocks at Great Falls, Md.; woods at Seven locks.

***462a. *Coreopsis bidentoides* Nutt.**

In the canal near Sandy Landing.

494a. *Bidens connata* Muhl.

Old river bottom near Hyattsville; not uncommon in swamps around Eckington and Brookland with the var. *comosa* Gr.

***494b. *Bidens vulgata* Greene.**

Near Terra Cotta. E. L. Greene. Several places in Brookland and near Eckington.

***496b. *Bidens lugens* Greene.**

River bottom near Marshall Hall; abundant in swamps near Anacostia. E. L. Greene.

497a. *Galinsoga parviflora* Cavan.

Eckington near R street.

502c. *Artemisia vulgaris* L.

A single specimen was found in a dry field near Hyattsville.

503. *Arnica nudicaulis* Ell.

Woods between Eckington and Michigan avenue. E. L. Greene. Forest Glen.

***526a. *Taraxacum corniculatum* Kit. (*T. erythrospermum* Andrz.).**

In sandy or gravelly soil, not uncommon in woods near Soldiers' Home; it occurs also in lawns, Brookland and Catholic University.

***536a. *Sonchus arvensis* L.**

Lawns at Catholic University.

***536b. *Leontodon autumnalis* L.**

With the preceding.

551. *Gaultheria procumbens* L.

Wooded hill-sides at Sligo avenue and Rappley road near Takoma.

558. *Rhododendron viscosum* Torr., var. *glaucum* Gr.
559. *Rhododendron vicosum* Torr. var. *nitidum* Gr.
Abundant in the woods near Forestville and Surattsville.
565. *Pyrola chlorantha* Sw.
Pine woods near mouth of Scott's Run, Va.; ravines at Sligo avenue.
570. *Dodecatheon Meadia* L.
Glen Echo junction.
572. *Steironema lanceolatum* Gr.
Ditch near Marshall Hall.
576. *Lysimachia stricta* Ait.
Meadow near Hyattsville.
577. *Lysimachia nummularia* L.
Along Harewood avenue near Soldiers' Home.
577a. *Centunculus minimus* L.
Old river bottom near Hyattsville, in fruit last week of June.
578. *Anagallis arvensis* L.
Pastures near Marshall Hall; lawns at Catholic University.
585b. *Apocynum medium* Greene.
River shore at Marshall Hall. E. L. Greene.
589. *Asclepias rubra* L.
Deanwood swamp. Thos. H. Kearney, Jr.
596. *Asclepias quadrifolia* Jacq.
Near Fort Totten. E. L. Greene.
*601b. *Polypremum procumbens* L.
A single specimen was found on the road-side in the woods near Marshall Hall. E. L. Greene. In fruit second week of August.
606. *Bartonia tenella* Muhl.
Deanwood swamp. Thos. H. Kearney, Jr.
614a. *Hydrophyllum Canadense* L.
Ravine near mouth of Scott's run, Va.; damp, shaded places among rocks near Sandy Landing.
615. *Ellisia Nyctelea* L.
Abundant along the tow-path near Great Falls.
634. *Iponiæa lacunosa* L.
Arlington estate; on rocks at Great Falls, Md.
636. *Convolvulus sepium* L. var. *Americanus* Sims.
Low grounds on Bunker-hill road.
637. *Convolvulus arvensis* L.
Vacant lots on First street near N. Y. avenue; Navy Yard.
646. *Lycium vulgare* Dun.
Along the road near Henson's Creek.
653. *Linaria Elatine* Mill.
Grassy slopes at Marshall Hall; along Brentwood road near Brookland.

654. *Scrophularia nodosa* L.

Along the tow-path near Great Falls; ditch near Hyattsville; Marshall Hall.

663. *Ilysanthes gratioloides* Benth.

Not common; old river bottom near Hyattsville; swamp near Henson's Creek.

***663a. *Ilysanthes attenuata* (Muhl.) Small.**

Common along creeks.

667. *Veronica scutellata* L.

Muddy creek bottom near Marshall Hall.

669a. *Veronica agrestis* L.

Lawns of the Catholic University.

***699b. *Veronica Chamædrys* L.**

Near Soldiers' Home.

672. *Buchnera Americana* L.

Club-house woods near Great Falls, Md.

***677a. *Gerardia decemloba* Greene.**

Low grounds in Brookland near Bunker Hill; swamp near the Reform School; in bloom second week of September.

***677b. *Gerardia Holmiana* Greene.**

Wooded banks along Michigan avenue, opposite Soldiers' Home grounds; Brookland; Terra Cotta; in bloom second week of October.

***680. *Melampyrum latifolium* Muhl.**

In sandy soil in woods near Riggs' Mill.

680. *Melampyrum Americanum* Michx.

Ravines near Sligo avenue and Rappley road near Takoma.

***686a. *Utricularia subulata* L.**

Swamps in the woods near Surattsville. G. W. Oliver. In flower first week of September.

712. *Pycnanthemum lanceolatum* Pursh.

Terra Cotta.

***723a. *Monarda clinopodia* L.**

Ravine near mouth of Scott's Run, Va. In flower first week of July.

732a. *Scutellaria parvula* Michx.

Woods at northeast corner of Soldier's Home grounds; near Marshall Hall.

738a. *Lamium purpureum* L.

Capitol grounds. E. L. Greene.

745. *Plantago Patagonica* Jacq. var. *aristata* Gray.

Common near Hyattsville and many other places in the District.

***748a. *Amaranthus chlorostachys* Willd.**

Near the Navy Yard, with flowers second week of July.

749. *Amaranthus albus* L.

Along the railroad track near University Station; gardens in Brookland.

768. *Polygonum hydropiperoides* Michx.

Old creek-bottom near Marshall Hall.

***778a. *Polygonum cristatum* Engelm.**

Rocks near Great Falls, Md.; thickets near Hyattsville; common near Seven Locks. With flower and fruit third week of September.

788. *Aristolochia Serpentaria* L.

Abundant in ravines near Marshall Hall; ravines at Sligo avenue and Rappley road near Takoma.

796a. *Euphorbia hirsuta* Wieg.

Rocks at Great Falls, Md.; woods near Marshall Hall.

800. *Euphorbia commutata* Eng.

Common in rocky woods from Sandy Landing to Great Falls.

801. *Phyllanthus Carolinensis* Walt.

Old river bottom near Hyattsville; not uncommon in the woods at Great Falls, Md.; woods near Marshall Hall.

812. *Urtica dioica* L.

Not common. Along the tow-path near Great Falls.

830. *Corylus Americana* Walt.

Abundant near Sligo; South Brookland near the railroad track.

849. *Quercus heterophylla* Michx.

Several trees, but all sterile, were found in the woods at Marshall Hall.

901. *Habenaria tridentata* Hook.

Woods near Great Falls, Md.; very abundant in swamps near Surattsville.

903. *Habenaria ciliaris* R. Br.

Swamp near Bladensburg turnpike, south of the Reform School. G. W. Oliver.

904. *Habenaria lacera* R. Br.

Swamp near the Reform School; several places in Brookland; Terra Cotta swamp; swamps near Marshall Hall.

909. *Spiranthes gracilis* Big.

Woods along Scott's Run, Va.

910. *Spiranthes simplex* Gr.

Woods near Great Falls, Md.; Terra Cotta; Brookland.

912. *Pogonia verticillata* Nutt.

Swamp near Bladensburg. Thos. H. Kearney, Jr. Abundant on the sand hills around Fort Totten; damp woods near the Reform School; swamps near Surrattsville.

913. *Calopogon pulchellus* R. Br.

Deanwood swamp. Thos. H. Kearney, Jr. Swamp near Surattsville.

915. *Microstylis ophioglossoides* Nutt.

Woods near Marshall Hall; woods near Great Falls, Md.

925. *Aletris farinosa* L.

Fort Totten. E. L. Greene. Very common in the open woods south of the Reform School.

939. *Allium tricoccum* Ait.

Rocks at Great Falls, Md.

947. *Majanthemum Canadense* Desf.

Near the Reform School. G. W. Oliver. Abundant in the woods at Surattsville.

957. *Veratrum viride* Ait.

Woods near Surattsville.

962. *Muscari botryoides* Mill.

Rocks at Sandy Landing.

970. *Juncus bufonius* L.

Apparently not rare and found in several places; near Kenilworth: Bladensburg; Highland; Riggs' Mill; Takoma; Brookland; Marshall Hall.

982. *Commelina hirtella* Vahl.

River shore at Marshall Hall; Four Mile Run.

982a. *Commelina Virginica* L.

Rocks at Great Falls, Md.

985. *Xyris flexuosa* Muhl.

Swamp south of the Reform School; the Lydecker basin.

986. *Eriocaulon decangulare* L.

Swamps near Surattsville.

986c. *Cyperus flavescens* L.

Evidently common and found in many places, for instance: Terra Cotta swamp; along creeks on Bunker Hill road; at a spring on Arlington estate; abundant in swamp between Nork and Fort Myer; near Alexandria.

987. *Cyperus diandrus* Torr.

The specimens recorded in Professor Ward's List do not belong to this species, but to *C. rivularis* Kunth.

***987a. *Cyperus rivularis* Kth. var. *eluta* Clarke.**

With the type and equally common.

990. *Cyperus erythrorhizos* Muhl.

At a spring on Arlington estate; swamp near Marshall Hall.

991. *Cyperus calcaratus* Nees.

Swamps near the canal at Great Falls.

999a. *Kyllinga pumila* Michx.

Several places near Marshall Hall, in the woods.

1000. *Fuirena squarrosa* Michx.

Abundant in the Lydecker basin.

1003a. *Eleocharis olivacea* Torr.

The Lydecker basin.

1004a. *Eleocharis intermedia* Schult.

Wet places along Rappley road near Takoma; exceedingly common in swamps near Marshall Hall.

1007. *Scirpus planifolius* Muhl.

Common on the sand hills around Fort Totten; Forest Glen.

1010. *Scirpus debilis* Pursh.

Along Bunker Hill road.

***1018a. *Fimbristylis laxa* Vahl.**

Abundant in low meadow-land near Hyattsville. In flower second week of August.

1019. *Fimbristylis capillaris* Gr.

On dry rocks at Great Falls, Md.

1019a. *Rynchospora fusca* R. & S.

Swamp between Nork and Fort Myer.

***1020a. *Rynchospora gracilentia* Gr.**

Swamps near Surattsville.

***1020b. *Rynchospora cymosa* Ell.**

Swamps south of the Reform School.

1021a. *Rynchospora cephalantha* Gr.

Along Queen's Chapel road; Lydecker basin; Arlington estate; Terra Cotta swamp.

1021b. *Rynchospora macrostachya* Torr.

Swamp in the woods at Marshall Hall.

1024. *Scleria pauciflora* Muhl.

Swamp south of the Reform School.

1024a. *Scleria reticularis* Michx.

Deanwood swamp. Thos. H. Kearney, Jr. Swamp between Nork and Fort Myer; near Surattsville.

1026. *Carex Willdenovii* Schk.

Common in the woods at Marshall Hall; Sandy Landing; Great Falls, Md.

1027. *Carex Steudelii* Kth.

Sandy Landing; Great Falls, Md.

1035a. *Carex Muhlenbergii* Schk. var. *enervis* Boott.

In dry, sandy soil near Terra Cotta; dry fields at Marshall Hall.

***1038a. *Carex stellulata* L. var. *cephalantha* Bail.**

Terra Cotta swamp.

1051. *Carex Shortiana* Dew.

Near the river shore at Marshall Hall.

1054. *Carex granularis* Muhl.

Not common. Along the canal at Great Falls.

1055. *Carex glaucoidea* Port.

Near Hyattsville; Fort Totten; very common in the woods at Marshall Hall.

- 1058a. *Carex grisea* Wahlbg. var. *angustifolia* Boott.
The Zoological Park.
1064. *Carex Careyana* Torr.
High Island.
1065. *Carex laxiculmis* Schw. (*C. retrocurva* Dew.)
Woods near Great Falls, Md.
1068. *Carex laxiflora* Lam. var. *styloflexa* Boott.
Terra Cotta swamp.
- *1072c. *Carex laxiflora* Lam. var. *varians* Bail.
Bunker Hill; the Smithsonian Park; the Virginia shore near Aqueduct bridge.
1075. *Carex umbellata* Schk.
Exceedingly common on the sand hills around Terra Cotta and Fort Totten; Sandy Landing.
1077. *Carex nigro-marginata* Schw.
Grassy banks along Rappley road near Sligo; Bunker Hill; on rocks at Great Falls near the canal.
1081. *Carex prasina* Vahl.
Forest Glen.
- *1092a. *Carex typhinoides* Schwein.
Low thickets near Hyattsville.
1101. *Vilfa aspera* Beauv.
Rocks at Great Falls, Md.
- 1101a. *Vilfa vaginaeflora* Vasey.
Common in the city, in lawns, vacant lots, etc.; along roads near Hyattsville, Highlands, Great Falls, etc.
- 1104a. *Agrostis elata* Trin.
Evidently common in woods, and has been found in many localities besides those already recorded: near Chevy Chase; Cabin John; Great Falls, Md., etc.
1112. *Muhlenbergia capillaris* Kth.
Very abundant forming large patches on the rocks at Great Falls, Md., October, 1899.
1119. *Aristida purpurascens* Poir.
On dry rocks at Great Falls, Md.; near Hyattsville.
- *1124a. *Tricuspis seslerioides* Torr. var. *pallida* Holm, n. var.
A form with pale green spikelets; with the type near Marshall Hall.
- 1125a. *Eatonia obtusata* Gr.
Low grounds near the Reform School.
- 1126a. *Eatonia Dudleyi* Vasey.
In woods at Scott's run, Va.; Sandy Landing.
1129. *Glyceria laxa* Scribner.
Still abundant in the Terra Cotta swamp (Aug., 1900).

1130. *Glyceria fluitans* R. Br.

Ditch near Hyattsville.

***1130a. *Glyceria obtusa* Trin.**

Damp places in the woods near Surattsville.

1139. *Eragrostis reptans* Nees.

Along the tow-path at Great Falls; wet places along the roads in the woods at Marshall Hall.

1140. *Eragrostis minor* Host. (*E. poaeoides* Beauv.)

Along the railroad track near University Station; along the tow-path at Seven locks.

1142. *Eragrostis Frankii* Mey.

Along the tow-path near Great Falls; in the woods near Marshall Hall; vacant lots in Brookland.

1143. *Eragrostis Purshii* Schrad.

Roadsides in Brookland; near Highland; Hyattsville; very common near Great Falls; near Cabin John Bridge.

1146. *Festuca Myurus* L.

Woods south of the Reform School; along the railroad track at Lammont station.

1156. *Bromus sterilis* L.

Brookland; New York avenue near Eckington.

1158. *Uniola gracilis* Michx.

Arlington estate; Takoma.

1166a. *Danthonia sericea* Nutt.

Many specimens were collected along the electric railroad track near Highland.

1169. *Aira caryophyllea* L.

Common along the road between Chain Bridge and Scott's Run, Va.; in dry fields near Surattsville; near the Reform School.

1178. *Panicum agrostoides* Spreng.

Swamp near Marshall Hall.

***1180b. *Panicum Philadelphicum* Bernh. (*P. capillare* L. var. *flexile* Gatt.)**

Along Rappley road near Glen Sligo. In flower first week of October.

1183a. *Panicum commutatum* Schult.

Soldiers' Home grounds; Forest Glen; High Island; Sandy Landing; Takoma.

1185. *Panicum microcarpon* Muhl.

Evidently common in open woods, and has been collected in several places between Washington and Great Falls on the Maryland side.

1187. *Panicum laxiflorum* Lam. (*P. pauciflorum* Ell. in Prof. Ward's list.)

The commonest species of *Panicum* in the woods at Great Falls, Md.

1187a. *Panicum sphærocarpon* Ell.

Woods near Riggs' Mill; Terra Cotta swamp; Chevy Chase; dry fields near Hyattsville and the Reform School.

1188a. *Panicum ramulosum* Michx.

Terra Cotta swamp.

1188b. *Panicum nitidum* Lam.

Old river bottom near Hyattsville; Terra Cotta swamp.

1188c. *Panicum lanuginosum* Ell.

Woods at Forest Glen; Fort Totten.

***1189a. *Panicum linearifolium* Scribn.**

Plummer's Island. Thos. H. Kearney, Jr.

1192. *Panicum Crus-galli* L. var. *hispidum* Gr.

In the canal at Great Falls.

1196. *Cenchrus tribuloides* L.

Near Seven locks; along roads at Marshall Hall.

1203. *Andropogon macrourus* Michx.

Sphagnum swamps near Surattsville.

1220. *Woodwardia Virginica* Sm.

Common near Surattsville. Wm. R. Maxon.

***1222a. *Asplenium pinnatifidum* Nutt.**

Two miles below Scott's Run on Virginia shore of Potomac. Wm. Palmer and Wm. R. Maxon.

***1222b. *Asplenium ebenoides* R. R. Scott.**

Plummer's Island. Wm. Palmer. A single specimen.

1223. *Asplenium angustifolium* Michx.

Ravines between Marshall Hall and the Piscataway; western end of Massachusetts avenue bridge and Rock Creek. Wm. Palmer. Abundant along brooks in woodlands of the Potomac bluffs near Langley, Va. Wm. R. Maxon.

1226. *Camptosorus rhizophyllus* Link.

Plummer's Island. D. LeRoy Topping. Several situations on rocky cliffs of the Virginia shore of the Potomac opposite Langley. Wm. R. Maxon.

1230. *Aspidium cristatum* Swtz.

In the Lygodium swamp about two miles to the northwest of Riverdale, Md. Wm. Palmer and Wm. R. Maxon. Woods near Great Falls, Md.; near the spring-house, Takoma.

1236. *Cystopteris fragilis* Bernh.

Common in ravines north of Marshall Hall; Potomac Landing, Alexandria County, Va. Wm. Palmer. Near Sandy Landing.

***1236a. *Cystopteris bulbifera* (L.) Bernh.**

On the Virginia shore of Potomac nearly opposite Langley, Va. Wm. Palmer and Wm. R. Maxon. Recorded in Flora Columbiana, Field and Forest, Vol. I, 1875, but with no locality.

***1237a. *Onoclea Struthiopteris* (L.) Hoffm.**

Frequent along the alluvial portions of the Potomac on the Virginia side one to two miles above Cabin Johns. Several collectors.

1242. *Osmunda Claytoniana* L.

Between West Chevy Chase and Glen Echo Junction. Wm. R. Maxon.

1245. *Botrychium ternatum* Swtz. var. *dissectum* Milde.

Woods near Great Falls, Md.

1247. *Ophioglossum vulgatum* L.

Grassy roadside bank, Upper Marlboro, Md. Wm. R. Maxon. Woods at Marshall Hall; at the foot of Fort Totten.

1248. *Lycopodium lucidulum* Michx.

In dry woods near Cleveland Park. Wm. R. Maxon and C. L. Polard. Ravines near Marshall Hall.

1249. *Lycopodium dendroideum* Michx.

Woods near Surattsville.

1253. *Selaginella apus* Spring.

Has been found in many places between Marshall Hall and Great Falls, Md., and is evidently not uncommon.